

## ABSTRACT OF THE DISCLOSURE

An image forming apparatus includes an ink tank; and an ink supplying path for supplying the ink from the ink tank to a print head, wherein the ink supplying path therein includes a filter, which generates negative pressure when the ink is supplied, the negative pressure being smaller than ink absorbing pressure of a nozzle of the print head. Further, the ink tank therein includes, for example, a porous ink absorbing body for retaining ink. The image forming apparatus satisfies:

$$F' < 1 / (N \cdot R)$$

where  $F(m)$  expresses a filtration accuracy of the filter;  $N$  (cells/m) expresses a cell density of the ink absorbing body before the ink absorbing body is contained in the ink tank; and  $R$  expresses a compressibility, which is a volume ratio of the ink absorbing body when the ink absorbing body is contained in a compressed state in the ink tank to the ink absorbing body before the ink absorbing body is contained in the ink tank, on condition that:  $F'=F$  when an opening of the filter is circle;  $F'=\sqrt{2} \cdot F$  in other cases.